

ABSTRACT OF THE DISCLOSURE

A method for adjusting dot-gain for a halftone binary bitmap file, a method for adjusting the dot-gain for a halftone binary print, and a method for adjusting the dot-gain for a printing plate, wherein each method involves inputting

5 a halftone binary bitmap file consisting of binary pixels to a digital filter, then filtering the binary pixels with the digital filter and generating a weighted sum of the pixels, using the weighted sum, producing a multilevel pixel and then comparing the multilevel pixel to a preset level, next a binary pixel output is generated, the output are collected and an adjusted halftone binary bitmap file is

10 formed.